

## **C.1 PURPOSE**

The purpose of this TO is to provide the Joint Improvised-threat Defeat Organization (JIDO) with expertise in research and experimental development in the physical and engineering sciences, including electronics, environmental, biology, computers, chemistry, geology, physics, and other allied subjects to support operations throughout the globe to eliminate or neutralize enemy insurgent networks that threaten United States (U.S.) interests and employ improvised threats, including improvised explosives devices (IEDs).

## **C.2 BACKGROUND**

The Joint Improvised Explosive Device Defeat Organization (JIEDDO) was established in 2006 as a Deputy Secretary of Defense (DSD)-directed initiative with the mission to rapidly provide solutions to defeat the enemy's improvised threat campaign and save the lives of service members deployed fighting insurgent networks that employ improvised threats as a strategic weapon of choice. On March 11, 2015, the DSD directed the establishment of JIEDDO as a Defense Agency, designated JIEDDO as a Combat Support Agency (CSA), and directed that it be aligned under the Under Secretary of Defense for Acquisition, Technology, and Logistics (USD (AT&L)). On April 30, 2015, the DSD approved an USD (AT&L) request to rename JIEDDO as the Joint Improvised-Threat Defeat Agency (JIDA). JIDA Initial Operational Capability (IOC) occurred October 2015. Subsequently, in accordance with fiscal year (FY) 2016 NDAA language, JIDA has been directed to realign to an existing CSA. JIDA has begun coordination efforts to align with the Defense Threat Reduction Agency (DTRA).

A formal decision on the JIDA alignment under DTRA as a single joint organization is expected to be made by the Secretary of Defense, in part, through a FY 2017 Resource Management Decision in support of the Presidential Budget submission. This document implements the DSD-directed renaming and organizational realignment of JIDA from the Army to USD (AT&L), renames the organization the Joint Improvised-Threat Defeat Organization (JIDO), and approves the request from the USD (AT&L) to transfer all current JIDA resources from the Services to the JIDO under the DTRA to ensure the Department proceeds on the most effective course for realigning a single, accountable entity. Per the NDAA, the transition of JIDA to DTRA will be effective October 1, 2016. An initial transition plan and timeline was submitted by the Department of Defense (DoD) to Congress in January 2016. A final plan and timeline is required within 270 days of the enactment of the NDAA, or August 21, 2016. Until October 1, 2016, JIDA will remain a Defense Agency designated as a CSA. Until an official transition occurs, the agency is still referred to by its official name the Joint Improvised-Threat Defeat Agency or JIDA in all official correspondence and communications (websites, memos, electronic mail (email), briefs, business cards, etc.). The initial transition plan is now being coordinated between both organizations and transition activities have already begun.

Historically, JIEDDO services support contracts were independently created and implemented by the three organizational entities listed below.

1. Former Counter-IED Operations/Intelligence Integration Center (COIC) employed an enterprise strategy entitled "Capstone" supported by GSA Federal Systems Integration and Management Center (FEDSIM) Assisted Acquisition Services (AAS).
2. JIEDDO Center of Excellence (JCoE).

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3. JIEDDO Contracts Division (CD) solicited and awarded contracts as needed using both internal and external contract acquisition organizations.

In order to streamline and simplify the acquisition of contract support services, JIDO integrated these independent and uncoordinated contracting activities and artifacts into a new Enterprise Acquisition Strategy Initiative (EASI) consisting of six TOs. The Defense Procurement and Acquisition Policy (DPAP) authority has provided final approval of the EASI. The overall objectives of the EASI strategy, including this TO, are to:

1. Meet current and evolving mission requirements.
2. Comply with acquisition laws, regulations, and policies.
3. Improve mission effectiveness, output, and organizational synergy.

### **C.3 SCOPE**

This TO includes research, experimental development, science, and technology support services that require Organizational Conflict of Interest (OCI) protection. The successful awardee will not be permitted to participate in any other JIDO EASI contract as a prime or as a subcontractor. The contractor shall assist JIDO to execute a rapid and agile threat-based acquisition approach with the ability to anticipate/ understand capability gaps, and identify and deliver rapid solutions.

Through embedded tactical presence with U.S. Forces, the contractor identifies risks, vulnerabilities, and current or potential gaps of the Joint Force and maintains an immediate understanding of gaps to drive rapid assessments, thus enabling informed investments in counter-threat technologies and non-materiel solutions within the Combatant Command's (CCMD) latest time of value (LTOV). By maintaining an immediate understanding of gaps, the contractor shall assist JIDO to initiate, accelerate, develop, and deliver urgent (up to two year time frames) counter-improvised threat solutions as required by the CCMDs. The contractor shall immediately act on CCMD urgent needs to counter disruptive technologies within a two-year timeframe by accelerating experimental development 'concept-to-prototype.' This enables a "warm start" on addressing critical emerging requirements (two to five years) and influences counter-threat capabilities development efforts in the 5 year range through coordination with service science and technology organizations, Defense Advanced Research Projects Agency (DARPA), national labs, academia, partner nations, and industry.

The contractor shall assist JIDO to sustain systems and processes to integrate and coordinate other agency research and experimental development activities which may provide value in obtaining technology or doctrine to counter developing threats. The contractor shall also provide all JIDO organizational units with advanced expert technical assistance by conducting research and development, advanced systems engineering, prototype evaluation in the physical, engineering, and computer sciences as well as subject matter expertise for operations and intelligence support.

This work effort involves access to and the safeguarding of classified information/material and contractor personnel must possess a current TS clearance with a Sensitive Compartmented Information (SCI) determination.

Items of this TO will be considered services which support or improve Agency policy development, decision making, management and administration, or research and development activities which may rise to the level of inherently governmental functions (IGF) without

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adequate controls. The Office of Federal Procurement Policy (OFPP) Letter 93-1 [Reissued], Management Oversight of Service Contracting, was used to analyze and review the requirements for the proposed contract. Proper management practices and contract administration techniques will be utilized as Management Controls to ensure the vulnerable services of the TO do not evolve into IGF.

The contractor shall provide research and analytical services and support to the JIDO for the following tasks and desired outcomes. This TO includes deployment to Outside the Continental United States (OCONUS) locations and hazardous duty/combat zones.

JIDO material solution development is organized into matrixed teams based around specific problem sets. Each team is led by a Government program integrator with members from across the J8, J6, J7, J2 and other J-staff as required. Each team may include but is not limited to individuals that perform the following functions in support of the team's development efforts: system integrator, requirements, test and evaluation, scientist, budget tracking, and operations. These teams are assessed on effective development of solutions that get delivered to the warfighter within two years.

The contractor shall achieve the desired outcomes of this TO.

### **Desired Outcomes:**

1. JIDO rapidly initiates and enables the development and fielding of urgent counter-improvised threat solutions (materiel and non-materiel) as requested by the CCMDs within two years.
2. The intent is to immediately act on CCMD urgent needs to counter disruptive technologies within a two-year timeframe by accelerating experimental development -- 'concept-to-prototype.' This enables a warm start on addressing critical emerging requirements (two to five years) and influences counter-threat capabilities development efforts in the five plus year range through coordination with Service Science and Technology organizations, DARPA, National Labs, academia, partner nations, and industry.

### **C.4 TASKS**

The following describes the services required for each Task. The contractor shall provide products and services in a timely and cost effective manner and shall deliver the desired outcomes as described below, as well as additional information in the Performance Requirements Summary (PRS) in the AFDP in **Section J, Attachment I**. The following tasks in support of this TO are detailed below:

Task 1 – Provide Project Management

Task 2 – Provide Transition Support

Task 3 - Threat Exploitation Support

Task 4 – Requirements Analysis Support

Task 5 – Research and Engineering Support

Task 6 - Development Test & Evaluation Support

Task 7 – Provide Integration Support

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Task 8 – Technology-Based Research and Assistance

Task 9 – Support for Early Transition-In (Optional)

Task 10 – Additional As-Needed Support (Optional)

### **C.4.1 TASK 1 – PROVIDE PROJECT MANAGEMENT**

**Desired Outcome:** The contractor shall achieve the desired outcomes of this TO and deliver performance within cost and schedule constraints.

The contractor shall provide all necessary project management support and contractor personnel resources necessary for the support of this TO. This includes the management and oversight of all activities performed by contractor personnel, including subcontractors, to satisfy the requirements identified in this TO.

The contractor shall identify a TO Project Manager (TO PM) to serve as the primary interface and point of contact with the FEDSIM Contracting Officer Representative (COR) and the JIDO Technical Point of Contact (TPOC). The contractor TO PM shall be responsible for managing and overseeing the activities of all contractor personnel as well as subcontractor/teaming partner efforts used in the performance of this effort and contained in this TO.

The contractor shall institute and maintain management and quality processes and methodologies that ensure that the performance is obtained within cost and schedule constraints of the TO. Should the contractor encounter any technical, financial, personnel, or general managerial problems throughout the contract period of performance, the contractor shall immediately contact the FEDSIM COR and JIDO TPOC.

#### **C.4.1.1 SUBTASK 1.1 – ACCOUNTING FOR CONTRACTOR MANPOWER REPORTING**

The contractor shall report ALL contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract for JIDO via a secure data collection site. The contractor is required to completely fill in all required data fields using the following web address: <http://www.ecmra.mil/>.

Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year. Contractors may direct questions to the help desk at: <http://www.ecmra.mil/>.

Contractors may use Extensible Markup Language (XML) data transfer to the database server or fill in the fields on the website. The XML direct transfer is a format for transferring files from a contractor's systems to the secure web site without the need for separate data entries for each required data element at the website. The specific formats for the XML direct transfer may be downloaded from the web.

#### **C.4.1.2 SUBTASK 1.2 – COORDINATE THE KICK-OFF MEETING**

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At the FEDSIM Contracting Officer's (CO) direction, the contractor shall assist in scheduling and coordinating a TO Kick-Off Meeting within five business days after the award of the TO at a location approved by the Government. The meeting shall include the following topics and will provide the opportunity to discuss the contract and other programmatic topics such as technical, management, contractual, and security issues, as well as, travel authorization and reporting procedures. At a minimum, the attendees shall include contractor Key Personnel, technical point of contact representatives from the JIDO, other relevant Government personnel, the JIDO TPOC and the FEDSIM COR. The contractor shall coordinate with the FEDSIM CO to provide a TO Kick-Off Agenda and presentation (**Section F.3, Deliverable 02**) for a presentation that will include the following:

- a. Introduction of team members and capabilities
- b. Overview of TO scope, schedule, and deliverables
- c. Process to adhere to security requirements/access procedures
- d. Invoice procedures
- e. Points of contact
- f. Other logistics issues
- g. Additional issues or concerns

The contractor shall provide a draft copy of the agenda and presentation for review and approval by the JIDO TPOC and the FEDSIM COR 24 hours prior to finalizing. The Government will provide the contractor with the number of participants for the Kick-Off Meeting and the contractor shall provide sufficient copies of the presentation for all present.

### **C.4.1.3 SUBTASK 1.3 – PREPARE TRIP REPORTS**

The contractor shall follow JIDO travel approval procedures. All travel is to be approved in advance by the FEDSIM COR in accordance with **Section H.9.3**. The contractor shall submit Trip Reports and After Action Reports (**Section F.3, Deliverable 03**) after completion of a trip for all authorized travel. The Trip Report shall include the following information:

- a. Names of personnel who traveled
- b. Dates of travel
- c. Destination(s)
- d. Purpose of Trip; (be specific – why, purpose, outcome/next recommended actions)
- e. Actual Trip Costs
- f. Approval Authority (Copy of the document authorizing travel by Government official)
- g. Summary of events

The contractor shall reconcile the Trip Reports with each invoice such that they can be matched month by month.

**C.4.1.4 SUBTASK 1.4 – PREPARE CONTRACT MONTHLY STATUS REPORT (MSR)**

The contractor shall develop and deliver a MSR (**Section F.3, Deliverable 04**) and **Section J, Attachment B** via email to the FEDSIM COR and JIDO TPOC. The MSR shall provide the following information at a minimum:

- a. Work accomplished during the reporting period, including specific discussions of each of the goals and objectives projected for the reporting period in the previous MSR.
- b. Travel costs previously projected for the month, actual travel costs for the month, planned travel costs for the following month, and referenced Trip Reports for travel completed during the reporting period.
- c. Total number of standard hours worked, the number of hours worked by task, the number of hours worked beyond a forty hour work week, overtime costs for the month, and a copy of the overtime authorization by the FEDSIM COR.
- d. Cost Performance Reports.
- e. Cost Funds Status Report.
- f. Program issues, risks, and mitigation plans.
- g. Work (goals and objectives) projected for the next reporting period.
- h. A personnel roster of individuals required for performance of the TO, whether each is a Full Time Equivalent (FTE) or a fraction of an FTE, and whether each requires physical access to the JIDO facility.
- i. List of deliverables provided (identify by title, deliverable number, date of approval, and network location). If classified deliverable, the contractor shall develop a numbering/identification scheme.

**C.4.1.5 SUBTASK 1.5 – PROVIDE INTEGRATED PROGRAM REVIEWS (IPR)**

The contractor shall provide TO status during JIDO's monthly IPR (**Section F.3, Deliverable 05**), to the FEDSIM COR, JIDO TPOC, and other identified Government stakeholders. The contractor shall provide briefings to describe specific initiatives, both ongoing and completed, throughout the period of performance and the financial status of the TO.

**C.4.1.6 SUBTASK 1.6 – PARTICIPATE IN TECHNICAL MEETINGS**

The contractor shall participate in technical working groups, interchange meetings, program management reviews, and support technical requirements review meetings throughout the period of performance. The contractor shall also develop Briefing/Presentation Materials, Reports, and Plans (**Section F, Deliverable 06**) to communicate contract status and issues to JIDO and other stakeholders as appropriate.

**C.4.1.7 SUBTASK 1.7 – PREPARE PROJECT MANAGEMENT PLAN (PMP)**

The contractor shall prepare and update a PMP. This plan shall be submitted to the JIDO TPOC and FEDSIM COR for review and approval (**Section F.3, Deliverable 07**). The PMP shall be updated as needed and include the following information:

- a. Change log
- b. The technical and management approach

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- c. Standards followed
- d. Overall work breakdown structure (WBS) and associated responsibilities and partnerships between Government organizations
- e. The contractor's Quality Control Plan (QCP)
- f. The contractor shall provide an OCI Mitigation Plan (**Section F.3, Deliverable 09**) to be updated as needed.

### **C.4.1.8 SUBTASK 1.8 – PREPARE TECHNICAL REPORTS**

The contractor shall prepare Technical Reports (**Section F.3, Deliverable 10**) as requested by the JIDO TPOC or FEDSIM COR related to issues generated during the performance of the requirements of the contract. The reports will be reviewed by the JIDO TPOC and/or FEDSIM COR and comments will be provided within seven business days. The contractor shall resolve the comments to the satisfaction of the Government within five business days and produce updated technical reports. The contractor shall prepare and submit for review and approval to the Government point of contact, a final technical report at the completion of specific tasks summarizing the work accomplished and the results achieved.

### **C.4.1.9 SUBTASK 1.9 – CONDUCT PROJECT MEETINGS**

The contractor shall schedule and conduct TO-related Project Meetings (**Section F.3, Deliverable 11**) in accordance with the PMP.

### **C.4.1.10 SUBTASK 1.10 – PROVIDE PROJECT BRIEFINGS**

The contractor shall provide Project Briefings on technical and management issues related to the requirements of the TO, to the JIDO TPOC, FEDSIM COR, and others as needed and as approved by the JIDO TPOC or FEDSIM COR.

### **C.4.1.11 SUBTASK 1.11 – ASSIST JIDO TRANSITION TO DTRA**

The contractor shall assist JIDO transition with tasks (related to the tasks below) to the DTRA transition in accordance with the Government provided DTRA Transition Plan. This includes preparing written material for JIDO approval, supporting and participating in meetings between JIDO and DTRA, identifying opportunities for interagency cooperation, teaming, integration, and recommending changes to operating procedures.

### **C.4.1.12 SUBTASK 1.12 – IMPROVE TASK ORDER EFFICIENCIES AND EFFECTIVENESS**

The contractor shall provide continuous process improvement with the objective of reducing costs while improving quality and mission effectiveness. Cost reductions that are accompanied with demonstrated quality improvements will be rewarded in accordance with the AFDP (**Section J, Attachment I**).

The contractor shall identify and propose discrete innovation projects (IPs) for Government approval. Proposed IPs are not restricted to this TO, but can potentially be applied across the JIDO Enterprise. Each IP shall include the following information as a minimum:

- a. Estimated cost savings or cost avoidance.

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- b. Expected and measurable improvements to quality or mission effectiveness.
- c. Time line for implementation.
- d. Government-provided material, information, assistance, and funding (if needed).

For each Government-approved IP, the contractor shall prepare and submit a detailed Plan of Action and Milestones (POA&M) within 30 calendar days (**Section F.3 Deliverable 12**). The Government will prioritize the IPs and authorize a start date for each. The contractor shall track and report estimated and actual/realized cost savings or cost avoidance as well as realized quality and mission effectiveness changes (positive or negative) for each Government-approved IP.

### **C.4.2 TASK 2 – PROVIDE TRANSITION SUPPORT**

**Desired Outcomes:** JIDO support is sustained in a controlled and deliberate manner throughout transition with no degradation in capabilities. Transition shall begin immediately at time of TO award and/or minimally 30 days before the dates indicated in Table 1 for those tasks that migrate from legacy contracts after TO award. Transition Out is planned and managed effectively. The contractor shall achieve the desired outcomes of this task.

IOC is defined as follows:

- a. All required staffing to accomplish transition activities are in place.
- b. The initial baseline Time Phased Labor Mix (TPLM), as specified in subtask 2.1, has been submitted to the Government and required staffing in-processing activities are in progress.
- c. Coordination efforts are established and synchronized with legacy contractors for their transition out activities (facilitated by Government).
- d. Contractor is in full control of transition activities and required JIDO support is being effectively managed.
- e. For Tasks starting concurrently with TO award, IOC is achieved when items a through d above have been accomplished, but no later than two weeks after TO award.
- f. For Tasks starting after TO award, IOC is achieved 30 days (CONUS-based tasks as applicable), or 45 days (OCONUS-based tasks as applicable) before the FOC dates in Table 1.

FOC is defined as follows:

- a. Tasks are fully staffed with fully qualified and trained personnel.
- b. Contractor assumes full responsibility for management of all task requirements.
- c. All task performance requirements are in force and enforced.
- d. No further support is required from the outgoing contracts.
- e. FOC is achieved on the dates as indicated in Table 1.

TO staffing shall be phased in over time as existing legacy contracts expire or as world events drive the need for optional as needed surge support. Staffing and transition flexibility is the key to successful implementation of this TO. The contractor shall ensure a smooth and orderly transition-in to establish required support, and the contractor shall ensure all knowledge, data, material, and information developed by or provided to the contractor is transitioned and delivered to the Government by the end of the contract period.



**C.4.2.1 SUBTASK 2.1 - PROVIDE TRANSITION-IN SUPPORT**

The contractor shall ensure a smooth transition of support services with no degradation in capabilities during transition. Transition shall begin immediately at time of TO award and/or minimally 30 days before the dates indicated in Table 1 for those tasks that migrate from legacy contracts after TO award. The contractor shall plan for all contingencies from gradual to immediate staffing. NOTE: FOC dates in Table 1 are legacy contract expiration dates. The Government reserves the right to accelerate FOC dates to meet evolving operational needs with 60 days advanced notice.

The contractor shall prepare a Final Transition-In Plan and Time-Phased Labor Mix (TPLM) (See Section F.3, Deliverable 13) for Government approval within seven calendar days of project start date. The Transition-In Plan shall include measurable milestones and decision gates (with entrance and exit criteria) for Government review at weekly Operational Readiness Reviews (ORRs). The TPLM shall identify all personnel and positions to transition to the TO, when they transfer, and their role. The Government will review and accept this TPLM as the initial baseline. Within one week after Government acceptance of the baseline TPLM, the contractor shall ensure that the JIDO Joint Manning Document (JMD) is updated to reflect this baseline without errors (including false positives and false negatives). The contractor shall not invoice before personnel are entered in the JMD. Changes to the JMD must be approved by the JIDO TPOC.

<b>Table 1. Current TO Expiration Dates</b>	
<b>Task</b>	<b>Date (MM/DD/YYYY)</b>
Task 1 – Project Management	N/A
Task 2 – Provide Transition Support	N/A
Task 3 – Threat Exploitation Support	09/29/2016
Task 4 – Requirements Analysis Support	Task Order Award
Task 5 – Research and Engineering Support	Task Order Award
Task 6 – Development Test & Evaluation Support	05/11/2017
Task 7 – Integration Support (Not Deployed)	09/30/2017
Task 7 – Integration Support (Deployed)	09/30/2017
Task 8 – Technology-Based Research and Assistance	02/23/2017
Task 9 – Support for Early Transition-In (Optional)	As Directed
Task 10 – Additional As-Needed Support (Optional)	As Directed

**C.4.2.2 SUBTASK 2.2 - PROVIDE TRANSITION-OUT SUPPORT**

The contractor shall develop a Transition-Out Plan (See Section F.3, Deliverable 14) for transitioning and delivering all material and information from this TO to the Government. The plan shall identify all Government Furnished and contractor Furnished Material (GFM/CFM) as well as information and material developed during the TO that was used in the execution of this TO. A draft plan shall be submitted for Government approval 120 calendar days prior to the end of the TO base period. Upon incorporation of comments and Government acceptance, the

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contractor shall follow the plan to transfer all material, information, and rights thereto to the Government.

The contractor shall facilitate and conduct transition-out activities. The contractor shall prepare a final Technical Report (**See Section F.3, Deliverable 10**) documenting the status of all ongoing efforts and projects, including a Smart Book/Turnover Binder containing copies of all plans, policies, procedures, points of contact, and other information required by the Government. A draft of the Technical Report is due NLT 120 calendar days prior to the end of the initial period of performance (Base Period) and an update NLT 120 days prior to the end of each Option Year. A transition out shall ensure no disruption to the contractor provided support to vital Government business. The contractor shall provide full cooperation to providing necessary operational knowledge transfer to the in-coming contractor. All documentation must be provided to Government personnel. Transition out shall include the following types of services:

- a. Project management processes,
- b. Points of contact,
- c. Location of technical and project management documentation,
- d. Status of ongoing technical initiatives,
- e. Contractor to contractor coordination with Government oversight to ensure a seamless transition,
- f. Transition of key personnel functions and information,
- g. Identify schedules and milestones,
- h. Identify actions required of the Government,
- i. Establish and maintain effective communication with the incoming and contractor/Government personnel for the period of the transition via weekly status meetings.

### **C.4.3 TASK 3 - PROVIDE THREAT EXPLOITATION SUPPORT**

The contractor shall achieve the desired outcomes of this task.

**Desired Outcome:** DoD maintains a competitive advantage in operations to counter and defeat improvised threats through technical and cultural analysis.

The Threat Exploitation Branch (TEB) supports the JIDO mission as an independent body that provides critical counter and defeat improvised threat insight from an enemy or an outsider's perspective. The TEB critically reviews technical solutions to ensure that JIDO is not overlooking any considerations in the development of that solution. The TEB is required to anticipate and identify those reactions and counteractions that may occur based on JIDO's solutions and, in so doing, identify the follow-on solutions that JIDO should be investigating. The TEB's insight into potential countermeasures that may not have been considered ensures JIDO initiatives will not be neutralized as a result of a simple countermeasure.

The TEB consists of a Technical Vulnerability Analysis Team and Threat Acquisition and Analysis Team. It also relies on matrix support from other elements within JIDO, depending on the nature of the problem or challenge under investigation. The following sections outline the most pertinent activities that enable these components of the TEB to accomplish their mission.

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The contractor shall provide technical reports and briefings as required (**Section F.3, Deliverable 10**).

In the performance of this task, the contractor shall:

- a. Analyze counter and defeat improvised threat capabilities, initiatives, and tactics, techniques, and procedures (TTPs) from our adversary's perspective in order to identify the inherent weaknesses within those solutions that would minimize their impact once deployed.
- b. Conduct Red Team and Threat Device analytical efforts that are adaptive, realistic, and culturally informed in order to support JIDO in assessing and anticipating adversary operational and tactical adaptations to current and proposed force tactics, techniques, capabilities, and procedures.
- c. Execute and publish through test activities and technical analysis, the results of technical Red (enemy forces) and Blue (own forces) assessments of specific, selected counter and defeat improvised threat initiatives to identify potential technical adversary adaptations and to effect changes on the system under development, as well as, recommend force options and enhancements.
- d. Coordinate and execute the development of potential future threats by investigation of commercial consumer technology in order to identify potential options to be used by potential adversaries in the construction of improvised explosive devices both in the immediate future and within a more extended time horizon, as identified by the Government.
- e. Coordinate and execute the procurement and management of threat devices to the test ranges, as well as provide the technical expertise to ensure that all testing and evaluation of proposed counter and defeat improvised threat initiatives is conducted in an environment that provides an appropriate representation of current threats and operational environment in theater, as identified by the Government.

Key goals of JIDO rapid acquisition processes are as follows:

- a. Provide support to the TEB by identifying best practices for development and introduction of alternatives in the development of counter and defeat improvised threat initiatives to meet an evolving threat in the 6-24 month timeframe and beyond.
- b. Research and develop issues for consideration by JIDO leadership to meet counter and defeat improvised threat requirements for future global operations.
- c. Research and develop frameworks, approaches, and capabilities to assess adversary employment of improvised threats as weapons of strategic influence, and provide to JIDO and DoD leadership alternative analysis for consideration across doctrine, organizations, training, materiel, leadership, personnel and facilities, as specified by the Government.
- d. Integrate TEB efforts with JIDO actions across the budget.
- e. Provide daily assistance to TEB to execute the vision for the future state and in executing a "way forward" roadmap that details the prioritized steps to implement actions plans.

### **C.4.3.1 SUBTASK 3.1 - TECHNICAL VULNERABILITY COORDINATION**

The contractor shall perform the following activities in support of this subtask:

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- a. Support the Technical Red (enemy forces) and Blue (own forces) Team analysis of JIDO initiatives to identify potential risks, vulnerabilities and the validity/effectiveness of potential enemy responses to JIDO initiatives, mitigate system vulnerabilities, and provide methods to increase counter and defeat improvised threat system performance.
- b. Maintain a comprehensive list of emerging ideas, concepts, strategies, and technologies and provide analytical analysis and provide support services in the development of papers and briefings defining options for future operations.
- c. Support the initial vetting of technologies introduced to JIDO, the evaluation of prospective technologies and the assessment and development of current technologies. Utilize fundamental concepts, practices and procedures of the specialty scientific fields to perform research tasks evaluating emerging technologies which may be applicable to counter and defeat improvised threat operations. Efforts by other Government entities may be analyzed and evaluated for recommendation to the JIDO TPOC regarding applicability to JIDO initiatives.
- d. Synchronize all staff actions within the Developmental Evaluation Division (DED) and TEB and identify and correct impediments to an efficient division staffing process.
- e. Implement Branch Chief's direction, guidance and intent, coordinating with other JIDO organizations as required.
- f. Organize special events and tasks for the TEB, prepare itineraries, and make all necessary arrangements and coordinate with supervisors as to the scope of the visit and their involvement.
- g. Monitor and manage incoming tasks associated with JIDO's management system (CheckPoint (JIDO-created within Sharepoint application)), and maintains the operation of suspense system.
- h. Maintain currency of knowledge base with respect to relevant state-of-the-art technology, equipment and systems through field evaluations, industry visits, and conference attendance.

### **C.4.3.2 SUBTASK 3.2 - SENIOR IMPROVISED THREAT ANALYSIS COORDINATION**

The contractor shall perform the following activities in support of this subtask:

- a. Support the initial vetting of technologies introduced to JIDO, the evaluation of prospective technologies and the assessment and development of current technologies. Use fundamental concepts, practices and procedures of the specialty scientific fields to perform research tasks evaluating emerging technologies which may be applicable to improvised threat defeat operations. Efforts by other Government entities are to be analyzed, and evaluated for applicability, and recommended to the Government TPOC JIDO initiatives as the Government requires.
- b. Maintain currency of knowledge base with respect to relevant state-of-the-art technology, equipment and systems through field evaluations, industry visits, and conference attendance.
- c. As required by the Government design and perform improvised threat related experiments, and data collection, to ensure the integrity, quality control and protocol compliance of offered solutions.

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- d. Respond to Action Tracker tasks as assigned, and perform tasks as the Government requires. Support technical Red Team analysis efforts for counter-improvised threat acquisition efforts for other elements of DoD as well as other Government agencies such as the following: Department Homeland Security (DHS), Transportation Security Administration (TSA), Federal Bureau Investigation (FBI), Border Patrol (BP), Immigration and Customs Enforcement (ICE), and United States Coast Guard (USCG) as directed by the Government.
- e. Provide technical Red Team assistance for CCMD mission planning, law enforcement exercises, and other DoD and non-DoD response planning activities and exercises.
- f. Support threat exploitation/characterization efforts, to include new or emerging threats.
- g. Support the design, construction/production, inventory management, and distribution of surrogate threat devices used for training and testing at counter and defeat improvised threat test events across DoD.
- h. Support the development of studies of future threats within the realm of counter improvised threat.

### **C.4.3.3 SUBTASK 3.3 - IMPROVISED THREAT TECHINICAL ANALYSIS**

The contractor shall perform the following activities in support of this subtask:

Perform research and analysis of all-source data derived from, but not limited to, multiple and specialized databases, and prepare issue papers and recommendations based on analysis. Prepare input for inclusion Red Team products supporting emulative and task/concept analysis.

- a. Coordinate and archive DoD, Joint, Service, Federally Funded Research Facilities, industry and academic studies and assessments conducted in support of JIDO efforts. Maintain a catalog of studies and assessments, and archive reports of techniques and procedures against known technology capabilities. Disseminate results to designated individuals and agencies.
- b. Schedule meetings and briefings, and track and report on action items as needed.
- c. Maintain a database to track threat devices as well as red and blue teaming system progress and coordinate with the JIDO Integration & Delivery Division (IDD) for initiatives in the Joint Improvised Threat Defeat Capability Approval and Acquisition Management Process (JCAAMP).
- d. Ensure all proposed JIDO countermeasure systems are considered for Technical Red/Blue Team analysis.
- e. Support reverse engineering, building and validation of electronic and mechanical devices efforts to be used in the counter-improvised threat fight, and ensure such devices meet varying technical specifications required for the construction and delivery of such devices and systems.
- f. Coordinate the overall development of prototyping of possible future improvised threat arming and triggering devices based on adaptations of commercial-off-the-shelf (COTS) technology.
- g. Maintain static display of counter improvised threats as required

**Provide Weekly Activity Status Report for Task 3 (Section F.3, Deliverable 15).**

**Provide Initiative Plan (Data and Evaluation) (Section F.3, Deliverable 16).**

#### **C.4.4 TASK 4 - PROVIDE REQUIREMENTS ANALYSIS SUPPORT**

The contractor shall achieve the desired outcomes of this task.

**Desired Outcome:** Current and future counter-improvised explosive device (C-IED) capability gaps are identified across the Joint Force based on emerging threats through development of new or improved materiel and non-materiel requirements/solutions to counter and defeat improvised threats on a global basis.

The Requirements Division leads the evaluation, prioritization, and validation of incoming requirements, supports decisions at Joint Operational Requirements Advisory Board (JORAB), the Program Budget Advisory Committee (PBAC), and other major gates, and enables internal and external resource decisions to be informed by operational risk assessment and analysis. This framework also allows JIDO to track warfighter requirements throughout the acquisition lifecycle. As a result, the Joint Force is provided with a common understanding and more accurate view of the DoD C-IED portfolio (**Section F.3, Deliverable 20**) and is more effective in identifying and mitigating anticipatory requirements to address current and future threats.

The Requirements Division consists of two branches (Requirements and Integration). It also relies on matrix support from other elements within JIDO, depending on the nature of the problem or challenge under investigation. The following sections outline the most pertinent that enable these components of the Requirements Division to accomplish its mission. The contractor shall provide technical reports and briefings as required (**Section F.3, Deliverable 10**).

In the performance of this task, the contractor shall:

- a. Manage the tracking, assessment, and refinement of JIDO requirements received from the warfighter, CCMDs, and the Joint Staff.
- b. Identify critical capability and performance gaps, and develop recommendations of materiel and non-materiel capabilities to address those gaps.
- c. Prioritize IED threats and C-IED requirements to help align resource allocation decisions to strategic priorities at the PBAC and support Budget Estimate Submissions.
- d. Institutionalize counter and defeat improvised threat capabilities in the Joint Force by supporting resource allocation decisions of the Services and other organizations.
- e. Maintain a database of performance metrics to analyze gaps in the C-IED portfolio which in-part supports the annual C-IED portfolio review with the Joint Staff and engages the COI.
- f. Work with customer and conduct urgent capabilities based assessments; coordinate with the customer to validate the correct solution is provided.
- g. Engage internal and external stakeholders, coordinate all briefings, and present potential requirements for validation at the JORAB which enables strong accountability and traceability.

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- h. Use existing risk assessment and prioritization tools to identify and prioritize future capability needs.
- i. Synchronize all staff actions within the Requirements Division and identify and correct impediments to an efficient division staffing process.
- j. Coordinate with other JIDO organizations as required.
- k. Organize special events and tasks for the Division/Branches, prepare itineraries, and make all necessary arrangements and coordinate with supervisors as to the scope of the visit and their involvement.
- l. Track and manage incoming tasks associated with JIDO's management systems and develop and maintain the operation of suspense system.
- m. Provide technical reports and briefings as required (**Section F.3, Deliverable 10**).

### **C.4.4.1 SUBTASK 4.1 - REQUIREMENTS MANAGEMENT**

#### **Requirements Analysis**

The contractor shall identify and support the development of warfighter requirements and support the Capability Requirements Validation (CRV) domain process of the JCAAMP. The contractor shall recommend potential requirements to the Government for approval, understand capability gaps, and assist the CCMDs with drafting Joint Urgent Operational Need (JUON), Joint Emergent Operational Need (JEON), or Request for Support (RFS) memorandums. Additionally, the contractor shall coordinate, prepare, and conduct analysis of JIDO's requirements for validation at the JORAB. The contractor shall track the requirements throughout the JCAAMP lifecycle and prepare for and support Integrated Process Teams (IPT), prepare Urgent Capability Based Assessments (UCBA), support the development of Prioritization and Analysis of Alternatives, Concept of Operations (CONOP) and Operational Views (OV-1). Additionally, the contractor shall coordinate meetings to refine requirement recommendations and recommend a validation status.

#### **JORAB Support**

The JORAB is the deliberative body that validates counter improvised threat requirements for JIDO. The JORAB Coordinator facilitates a weekly board considering identified requirements and coordinates the JORAB pre-brief, the JORAB meeting, requirement refinement meetings and updates and/or creates required SharePoint and CheckPoint entries. Part of the requirements management process is ensuring work done in the Requirements Division is completed in coordination with the business processes in place throughout JIDO. The efforts of the Requirements Division help create transparency across the lifecycle of requirements enabling informed decision making throughout the organization. To accomplish its objectives, the Division must be integrated with the rest of the organization which requires streamlined processes and strong program management enablers.

In support of the JORAB, the contractor shall perform the following activities:

- a. Assess received or expanded counter improvised threats requirements from the CCMDs, Services, warfighters, and Director Requirements.
- b. Conduct UCBA on received requirements and coordinate the development of performance criteria with the requestor and JIDO's acquisition proponents.

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- c. Prepare analysis in support of a validation decision conducting portfolio-level analysis.
- d. Ensure data integrity and archive all key Government decision documents, JORAB meeting minutes, and other relevant materials to CheckPoint.
- e. Train Action Officers (AO) on the requirements analysis and validation process.
- f. Maintain the existing counter improvised threat portfolio for area of responsibility (AOR).
- g. Recommend refined requirements to the Government addressing capability gaps identified by analysis of the counter improvised threat and disruptive technology portfolio.
- h. Serve as meeting coordinator to support proper communication between stakeholders.
- i. Prepare documents, as required, supporting the Senior Integration Group (SIG) working groups and meetings.
- j. Assess counter improvised threat requirements and provide recommendations to Division leadership.
- k. Maintain regular communication with Service and key stakeholders.
- l. Coordinate JORAB schedule and ensure key stakeholders are notified of JORAB activities and proposed agenda items.
- m. Support distribution of JORAB information to all key stakeholders in accordance with JORAB timeline.
- n. Maintain and update the JORAB email NIPR/SIPR distribution list.
- o. Coordinate Foreign Disclosure Office (FDO) approval of JORAB materials and meeting classification requirements.
- p. Coordinate post-JORAB administrative functions including: Refinement meeting and JORAB meeting minutes; capturing action items from JORAB pre-brief, JORAB and Requirements meetings; tracking and reporting of progress on action items; maintain Requirement Tracker, CRV memo file, and templates for other documents and memorandums in Action Tracker.
- q. Prepare, staff and publish JORAB meeting minutes within five days to ensure the inclusion of action items and taskings in the weekly Fragmentary Orders (FRAGOs).
- r. Support Requests for Information (RFIs) related to the division.
- s. Provide capabilities based portfolio analysis in support of initiative governance requirements.
- t. Provide Requirement Division inputs into battle rhythm events as required, including Global-Counter Improvised Threat Action Review (GCAR), Iraq/Afghanistan OPS Support. Maintain counter improvised threat knowledge base through field evaluations, industry visits, and conference attendance.
- u. Develop and document methodologies and models to determine priorities for identified threats, operational needs, and requirements.
- v. Each area AO will prioritize their respective requirements for validation or re-validation.
- w. Work with the Joint Staff as requested regarding counter improvised threat programmatic issues.

Requirements analysts are functionally aligned to the acquisition-focused sections of the J-8:



- a. Special Programs / Counter Radio-Controlled improvised threat Electronic Warfare (CREW).
- b. Detect Air.
- c. Detect Ground.
- d. Neutralize and Mitigate / JIDO Signature Program.
- e. Discovery and Innovation Group.
- f. Weapon Technical Intelligence (WTI).
- g. J2/J6/SIO.
- h. Training / JORAB Manager.

The contractor shall prepare a Quarterly Technology Update. The contractor shall actively maintain database of threshold/objective criteria for improvised threats and disruptive technology capabilities and requirements as Family of Systems (FoS) or Systems of Systems (SoS) (**Section F.3, Deliverable 17**).

#### **C.4.4.2 SUBTASK 4.2 - RISK ANALYSIS AND ASSESSMENT**

##### **Gap Identification and Vulnerabilities Assessment**

As the operating environment changes and the number of deployed forces declines, JIDO is less reliant on their demand signal to sense the improvised threat and disruptive technology problem. The Requirements Division must become more anticipatory in the development of requirements. To generate valid anticipatory requirements, the Division combines an understanding of the evolving improvised threat and disruptive technology threat with mission needs and capabilities within the Joint Force to identify capability gaps. Once identified, the risk and vulnerability of these gaps is assessed to ensure emerging needs are met with affordable solutions.

##### **Application of Risk Models**

Once the risk and gap models are developed, the products of these models are integrated into JIDO's decision making processes to anticipate and respond to counter improvised threats and disruptive technology requirements. Integrating analysis tools for gap identification and risk assessment, the Requirements Division provides a detailed capability gap assessment to the GCAR process supporting decision making and providing the most relevant and cost effective capabilities to the Joint Force.

##### **Gap Identification and Risk Assessment Modification**

The baseline gap identification and risk assessment activities outlined above move JIDO towards a data-driven understanding of the portfolio and problem set. These activities enable risk-informed decision making at every step of JIDO's acquisition cycle. These tools provide a foundational understanding of the problem set and environment which can be expanded, if required.

The contractor shall perform the following activities in support of this subtask:

- a. Collect counter improvised threats and disruptive technology threshold and objective minimum values to coordinate capability development goals with key stakeholders.

- b. Establish a view of the current state of the DoD portfolio of counter improvised threats and disruptive technology enablers, and assess the performance of the enablers against the objective minimum values.
- c. Develop an adaptable process comparing mission needs and portfolio performance with threats to identify mission, unit, and geographic area-specific capability gaps.
- d. Assess customer needs against known capability gaps and vulnerabilities to provide assessments of risk to inform the full spectrum of oversight and acquisition decisions.
- e. Support the GCAR process using the Division’s analysis tools to identify gaps and recommend mitigation strategies based on threat and operations in concert with J8 IDD, TSD, and AED divisions.
- f. Develop tailored application of gap and risk models, modifying the underlying structure of these tools in order to reflect emerging or changing situations facing the force across the globe.
- g. Provide capability modeling and simulation to build on the foundation provided by the gap and risk tools to illustrate how capabilities, threats, and infrastructure will develop and change in the future.
- h. Establish a quarterly review and update of the capability gap model (Microfuge) with input from stakeholders across the enterprise (**Section F.3, Deliverables 18, 21, and 22**).

#### **C.4.4.3 SUBTASK 4.3 - PRIORITIZATION AND RESOURCE ALLOCATION**

##### **Prioritization Support**

In 2011, the JIDO Requirements Division identified a need to move the organization towards a more informed resource allocation process. The resulting prioritization methodology is a key resource used to inform resourcing decisions based on programmatic considerations. Prioritization is a key input in the organizational spend plans. Given fiscal pressures, use of tools to evaluate investment decisions is becoming more important. As this process has matured, it has become institutionalized throughout JIDO, and the need to transition the use of tools to those closest to resourcing decisions has been identified. Still, leveraging best practices, subject matter expertise, and an understanding of the prioritization model’s current state remains critical. Going forward, tasks will transition from a tactical focus to analytical and support functions.

##### **Affordability Analysis and Assessment**

The JIDO Requirements Division developed a robust prioritization methodology used to support decision making with a focus on programmatic considerations. However, it is also important for JIDO to ensure funding is allocated towards programs helping to satisfy capability gaps in the Joint Force counter improvised threats and disruptive technology portfolio while being aware of cost considerations. The JIDO Requirements Division developed an assessment tool to quantify and visualize trade-offs between relative value and cost of a capability. This tool provides key stakeholders an additional layer of assessment to ensure resources are driven towards programs with high programmatic value that also provide unique capabilities in a fiscally responsible manner.

The contractor shall perform the following activities in support of this subtask:

- a. Support model owners (Action Officers for Requirements, System Integrators/Program Integrators for Initiatives) in the collection, updating, and analysis of model outputs.

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- b. Provide Subject Matter Expert support to prioritization model owners as necessary for Operational Requirements, Initiative, Joint Lab Board, and Spend Plan prioritization models.
- c. Provide support to the PBAC through analysis of prioritization inputs for the budget.
- d. Lead the bi-annual threat prioritization model update process.
- e. Lead the annual requirements prioritization model update process.
- f. Provide ad-hoc support of prioritization-based inputs to Congressional Budget Briefing development, and other requests for information.
- g. Support JIDO leadership in above/below the line funding decisions at the PBAC through development and maintaining of an Affordability Assessment for each budget area.
- h. Extend the analysis of capability gap identification to include the inputs from the Defense Planning Guidance (DPG) study, providing additional insight in identifying potential solutions to capability gaps (**Section F.3, Deliverable 19**).
- i. Coordinate with key stakeholders to continue institutionalization of the counter improvised threats capability.
- j. Lead the collection, updating, and analysis of prioritization methodologies and models for improvised threats, incoming operational requirements, and initiatives.
- k. Gather and maintain prioritization inputs for all initiatives on FY Spend Plans.
- l. Tailor current models and conduct alternatives analysis based on prioritization methodologies to support JIDO Program Operating Manual (POM), Budget Estimate Submission (BES) and other DoD Planning Programming Budgeting and Execution (PPBE) processes.
- m. Conduct analysis of all current active/validated Operational Requirements and develop recommendations for closure based on established criteria.

The contractor shall develop and document methodologies and models to determine priorities for identified threats, operational needs, and requirements. Assist JIDO action arm in the development, employment and revision of initiative prioritization models (**Section F.3, Deliverable 17**).

### **C.4.4.4 SUBTASK 4.4 – PORTFOLIO MANAGEMENT**

The contractor shall support J8 management of the counter and defeat improvised threat capabilities investment portfolio and provide both routine and on-demand analysis in support of JIDO's leadership, components, and other management processes. The contractor shall support performance of JIDO, DoD, and other Government agencies' (OGA) counter and defeat improvised threat capability portfolio analysis to inform requirements validation and investment recommendations, budget analysis and health reporting of counter and defeat improvised threat initiatives, and coordination with DoD agencies, Service Laboratories, National Laboratories, Industry, Academia, and International partners to coordinate and inform mid- and long-term Science and Technology (S&T) requirements for counter and defeat improvised threat applications and develop associated budget submission materials.

### **Requirements Documentation Strategy**

As JIDO institutionalizes counter and defeat improvised threat capabilities and identifies capability gaps across the Joint Force, it must continually create, influence, and refine requirements documentation to gain formal approval through the JCIDS process (Reference b). JIDO must continue to develop a requirements documentation strategy addressing the most critical counter and defeat improvised threats and disruptive technology capabilities and capability gaps. In a resource constrained environment, it is imperative JIDO institutionalize requirements, influence external resource decisions, and inform tactical commanders in order to effectively and efficiently provide the required capability.

**Joint Staff Support for Counter and Defeat Improvised Threat JROCMs**

JIDO invested significant resources with the Joint Staff J8 in support of Joint Requirements Oversight Council Memorandum (JROCM) 005-13 “Counter-Improvised Explosive Device Transition Plan and Portfolio Review.” The JROCM was an outgrowth of the DPG study and directs the Joint Staff, Services, and other organizations to institutionalize counter and defeat improvised threat and disruptive technology capabilities and study of non-materiel enablers. This examination is used by the Services for planning and budgetary decisions.

**Portfolio Management Support to the Joint Staff counter and defeat improvised threat Portfolio**

As a result of JROCM 005-13, JIDO has a key role in assisting the Joint Staff and Services in an annual reassessment of the DoD counter and defeat improvised threat Portfolio. Specifically, as the DoD counter and defeat improvised threat subject matter expert, JIDO is uniquely positioned to assess annual portfolio submissions from the Services to ensure counter and defeat improvised threat capability gaps across the Joint Force are being adequately addressed.

The contractor shall perform the following activities in support of this subtask:

- a. Identify the most critical counter and defeat improvised threat and disruptive technology capabilities, initiatives, and gaps for requirements documentation.
- b. Monitor ongoing requirements documentation efforts across the DoD (via the Knowledge Management Decision Support KM/DS) ensuring JIDO’s interests are incorporated into relevant requirements documents.
- c. Provide JIDO leadership with tools to make informed, strategic decisions regarding the development and influence of ongoing requirements documentation across the DoD .
- d. Provide commanders with an understanding of which counter and defeat improvised threat and disruptive technology enablers are necessary to meet threat and geographic challenges supporting specific missions.
- e. Assess performance of the Joint Force counter and defeat improvised threat and disruptive technology programs against objective minimum values to determine the state of the portfolio.
- f. As requested by JIDO and Joint Staff leadership, analyze consequences of the Joint Force programmatic decisions in light of enduring counter and defeat improvised threat and disruptive technology capability areas.
- g. Support the development of issue papers initiated by JIDO and provide response support to issue papers issued by external organizations, as required.

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- h. As directed by JIDO leadership, partner with the Joint Staff and Services through PPBE, JCIDS, and other processes in order to further integrate counter and defeat improvised threat and disruptive technology enablers into the total force.
- i. Develop and maintain a threshold and objective database to use as a reference to ensure counter and defeat improvised threat and disruptive technology initiatives funded by the Services meet minimum capability requirements.
- j. Work with the Joint Staff J8 to assess annual Joint Force counter and defeat improvised threat portfolio submissions and where appropriate make recommendations (via issue papers) for the reduction and/or increase of certain counter and defeat improvised threat capabilities.
- k. Leverage annual portfolio submissions from the Services to identify counter and defeat improvised threat capability gaps.
- l. Perform stakeholder engagement – work with the Joint Staff J8, Service representatives, Cost Assessment and Program Evaluation (CAPE) and other DoD representatives to enable JIDO to influence the annual DoD counter and defeat improvised threat portfolio assessment process.
- m. Develop a shaping strategy to most effectively influence stakeholders from the Joint Staff, JROC, Services, and OSD as they pertain to counter and defeat improvised threat capabilities.
- n. Leverage portfolio management and JCIDS documentation (see Reference b) to reaffirm JIDO's role as a joint capability organization enabling tactical responsiveness and anticipates future threats.
- o. Reinforce the Requirements Division's role within JIDO as the lead advocate for influencing requirements and resources for capability development.
- p. Lead the development of an interactive counter and defeat improvised threat and disruptive technology catalogue that is customer facing and can be used by the Joint Force in determining required solutions where demand exists

The contractor shall proactively identify enduring counter and defeat improvised threat requirements for the Joint Force and coordinate with the Joint Staff (JS) and Services to develop requirement documents. Draft requirement documents and staff KMDS. Familiarization with and reference CCMD Integrated Priority Lists (IPLs)/Science & Technology Integrated Priority Lists (STIPLS) and counter and defeat improvised threat gaps (**Section F.3, Deliverable 21**).

### **C.4.5 TASK 5 - PROVIDE RESEARCH AND ENGINEERING (R&E) SUPPORT**

The contractor shall achieve the desired outcomes of this task.

**Desired Outcome:** DoD and JIDO investment decisions concerning materiel and non-materiel solutions to counter and defeat improvised threats are made based on sound engineering and business principles.

Improvised threats present significant operational risk to deployed U.S. forces. JIDO, together with the all DoD components, is working to counter improvised threats holistically, using a balance of intelligence, training, and technology. This counter improvised threat strategy combines Joint Service, interagency, and multi-national programs to leverage all available

resources and technologies in a coordinated campaign to eliminate improvised threats as weapons of strategic influence.

In its role within JIDO, the J8 discovers, analyzes, and develops technologies to provide effective capabilities to counter current, emergent, and future improvised threats. The J8 leads the JIDO Capabilities Development Process (JCDP) executing technology discovery, analysis and development tasks that support JIDO's enduring capabilities. Additionally, J8 manages the counter and defeat improvised threats Capabilities Investment Portfolio to inform organizational investment decisions, support JIDO strategic planning, develop future counter and defeat improvised threat capabilities needs and requirements, and facilitate all phases of the JIDO Planning Process, JIDO Budgeting Process, and JCAAMP. As the locus of JIDO's R&D activity, the J8 is JIDO's point of entry for new counter and defeat improvised threat ideas, proposals, and questions.

#### **C.4.5.1 SUBTASK 5.1 – STRATEGIC PLANNING AND INVESTMENT DECISION SUPPORT**

JIDO requires support for the J8 to perform critical functions to inform JIDO investment decisions, support strategic planning, develop future counter and defeat improvised threat capabilities, as well as facilitate other JIDO processes to provide counter and defeat improvised threat capabilities rapidly.

The contractor shall perform the following activities in support of this Task:

- a. Support to the development and implementation of counter and defeat improvised threats strategy and R&E participation in associated activities.
- b. Budget analysis of past, current, and future JIDO R&D initiatives.
- c. Execution of the JCDP.
- d. Counter and defeat improvised threat support to combatant command science and technology integrated priority list development.
- e. Subject matter expertise to develop, execute, and report on counter and defeat improvised threats development initiatives.
- f. Technology discovery and outreach coordination.
- g. Support to JIDO proposal solicitation and evaluation processes and division operations and administrative support.
- h. Provide technical reports and briefings as required (**Section F.3, Deliverable 10**).

#### **C.4.5.2 SUBTASK 5.2 - SOLICITATION AND EVALUATION SUPPORT**

The contractor shall support JIDO solicitations and evaluate proposals to develop solutions for validated counter and defeat improvised threat requirements. Support will also include maintenance of a network of research experts in relevant domains to provide state-of-the-art advice on technical feasibility and relevance of proposed efforts.

The contractor shall perform the following activities in support of this subtask:

- a. Plan, coordinate, and support administration of the JIDO solicitations.
- b. Coordinate with internal and external stakeholders to assist in defining and refining JIDO requirements to develop solicitations based on identified JIDO needs.

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- c. Plan, coordinate, setup, and execute proposal evaluation panels for unsolicited proposals.
- d. Facilitate, document, and archive all evaluation panel deliberations.
- e. Consolidate and summarize consensus recommendations from evaluation panels into recommendations to division leadership and associated vendor notifications by JIDO leadership.
- f. Provide written evaluation reports for all received valid proposals according to requirements of the FAR.
- g. Maintain historical records for all unclassified and classified proposals and any documentation associated with their consideration in response to a Broad Agency Announcement (BAA) or through the Unsolicited Proposal process.
- h. Maintain a network of technical Subject Matter Experts (SMEs) (external and internal) for evaluation of received proposals.
- i. Support responses to Requests for Information (RFIs) concerning BAAs and previously received proposals, and vendor inquiries.
- j. Identify areas for process improvement, provide recommended action, and assist implementation of selected actions; participate in support of management control activities.
- k. Assist in the preparation of written documents (e.g. memos, info papers, budget documents, significant activities, etc.) and briefing materials for JIDO, DoD or Congressional leadership.
- l. Provide technical assistance and coordination activities in support of current and future initiatives and efforts.

### **C.4.6 TASK 6 - PROVIDE DEVELOPMENT TEST AND EVALUATION (DT&E) SUPPORT**

The contractor shall achieve the desired outcomes of this task.

#### **Desired Outcomes:**

1. The operational effectiveness and suitability of materiel solutions to counter and defeat improvised threats is verified to operate as intended in the environment expected.
2. DoD makes informed decisions on fielding solutions to counter and defeat improvised threats.
3. CCMDs are equipped with verified information about the characteristics, functionality, and limitations of materiel and non-materiel solutions to maximize their operational utility.
4. Minimal redundancy in testing materiel and non-materiel solutions to counter and defeat improvised threats across DoD.

The JIDO counters the threat imposed by improvised explosive devices by rapidly acquiring and providing counter-improvised threat equipment, technologies, and systems to the warfighter. JIDO develops and delivers counter-improvised threat capabilities within three-to-24 months. This results in the need to perform nearly continuous developmental test and evaluation over the life of proposed materiel solutions. J8 is responsible for all aspects of the developmental test and

evaluation of all JIDO materiel solutions. Evaluation authority was established through DoDI 2000.19E to coordinate and synchronize all Joint Improvised-threat Defeat DT&E events within the DoD and assist the Military Departments to maximize utility and decrease redundancy in testing of Joint Improvised-threat Defeat initiatives. J8 enables the execution of JCAAMP so that JIDO can rapidly acquire counter-improvised threat capabilities in support of combatant commanders within acceptable parameters of Schedule, Performance, and Cost. J8 coordinates and synchronizes all DT&E activities and resources to ensure all counter and defeat improvised threats equipment and systems are sufficiently tested and evaluated; aiding informed decision-making by the Government in fielding the equipment to the warfighter in Overseas Contingency Operations (OCO). JIDO J8 manages all test support for JIDO's counter-improvised threat programs and initiatives.

The contractor shall provide technical reports and briefings as required (**Section F.3, Deliverable 10**). The contractor shall provide a weekly activity status report for Task 6 (**Section F.3, Deliverable 15**). The contractor shall provide an Initiative Plan (Data and Evaluation) (**Section F.3, Deliverable 16**).

#### **C.4.6.1 SUBTASK 6.1 - THEATER AND COALITION TEST SUPPORT**

The contractor shall perform the following activities in support of this subpart:

- a. Support organization and coalition tests.
- b. The contractor shall provide results for activities associated with the JIDO J8 Request For Information (RFI) tool, and obtain information on all JIDO-related counter and defeat improvised threat test activities.
- c. Compile key findings and lessons-learned on all JIDO-related Coalition and Theater Support counter and defeat improvised threat test activities.
- d. Support the system test programs and prepare a test schedule based on JIDO and theater priorities.
- e. Ensure that tests are conducted in accordance with JIDO J8 test protocols.
- f. Ensure test results are disseminated to theater, and coordinate the release of documents, test data, and relevant information to coalition countries.

#### **C.4.6.2 SUBTASK 6.2 - JIDO CONTINUOUS EVALUATION SUPPORT**

The contractor shall support the Government with continuous evaluation of JIDO initiatives by providing early and continuing assessments of system performance and potential.

The contractor shall produce technical analyses of JIDO initiative assessments; develop, write and support the execution of JIDO Initiative Evaluation Plans (IEP's) and other JIDO initiative evaluation analytic documentation.

#### **C.4.6.3 SUBTASK 6.3 - INTEGRATED PRODUCT TEAM (IPT) DT&E SUPPORT**

The contractor shall obtain information on all counter and defeat improvised threat testing by JIDO, the military departments, private industry, academia, and other Government organizations; compile key findings and lessons-learned; support the air-to-ground, CREW and other working groups; determine that tests are conducted in accordance with JIDO J8 test protocols and post-testing to the JIDO website; coordinate the release of documents, test data, and relevant



information to coalition countries. The contractor shall maintain liaison with United States Army DT&E counterparts (e.g., Army Test and Evaluation Command System Team (AST) Chairs) and other service counterparts, as directed and inform JIDO DT&E leadership of any unresolved test plan issues. The contractor shall review, evaluate, and recommend remediation initiatives through cost, performance, and schedule evaluation and mitigation strategy development for Government review and approval.

#### **C.4.6.4 SUBTASK 6.4 - TEST PROTOCOL SUPPORT**

The contractor shall perform the following activities in support of this subtask:

- a. Assemble appropriate stakeholders for the protocol development process.
- b. Prepare initial first draft protocol document and update existing draft and approved protocols and coordinate with the appropriate service Operational Test Agency (OTAs).
- c. Post drafts and approved documents to the JIDO website.
- d. Maintain a prioritized JIDO J8 protocol management plan and schedule.
- e. Plan a protocol working group and assist with implementation of protocol processes into JIDO test plans.
- f. Develop a delivery schedule for new protocols update cycle for approved protocols.

#### **C.4.6.5 SUBTASK 6.5 - THREAT DEVICE SUPPORT**

The contractor shall perform the following activities in support of this subtask:

- a. Support the planning of standardization of threat devices and validation of threat device production facilities.
- b. Coordinate the design and construction of new threat devices, and administer on test ranges.

#### **C.4.6.6 SUBTASK 6.6 – RESEARCH AND KNOWLEDGE INTEGRATION**

The contractor shall perform the following activities in support of this subtask:

- a. Prepare preliminary documents that reflect counter and defeat improvised threat data and information confirming validity, authenticity, credibility, and veracity.
- b. Collect, consolidate, organize, index, and manage counter and defeat improvised threat data, reports, and information from across DoD, Military Departments, other U.S. Government agencies, non-governmental organizations, private industry, and foreign governments.
- c. Maintain the currency of data and information throughout the performance period.
- d. Disseminate counter and defeat improvised threat information and operationally-relevant data and counter and defeat improvised threat knowledge by means of the Worldwide Web via JIDO Portals to the warfighter, acquisition community, decision makers, and others identified by the Government requiring counter and defeat improvised threat information.
- e. Maintain, update and manage information in the JIDO J8 database on a daily basis.

**C.4.6.7 SUBTASK 6.7 - ELECTRONIC ATTACK CLEARANCE MODELING SUPPORT**

The contractor shall perform the following activities in support of this subtask:

- a. Provide engineering support to the Federal Aviation Administration (FAA) Technical Center whose task is to support the continued testing and electromagnetic compatibility of CREW systems vs. FAA commercial airborne receivers and ground-based facilities.
- b. Facilitate the integration of new/modified interference threshold criteria into Builder's FAA Wizard while working in close conjunction with the Naval Research Laboratory.
- c. Directly support the Lead Spectrum Protection/Coordination Manager for CREW and Electronic Warfare (EW) in the FAA's Office of Spectrum Engineering Services.
- d. Conduct in-depth engineering analysis of DoD CREW requests using a variety of modeling and simulation tools.
- e. Perform interagency coordination of CREW requests and information gathering with a variety of DoD entities.
- f. Develop concurrence documents demonstrating the results of CREW analyses and transmit the documents to the appropriate Military Spectrum Office.
- g. Prepare and review briefings, papers, and other administrative duties as necessary to accomplish required duties in support of the DoD.

**C.4.7 TASK 7 - PROVIDE INTEGRATION SUPPORT**

The contractor shall achieve the desired outcomes of this task:

**Desired Outcomes:**

- a. JIDO initiatives and programs are continuously monitored for cost, schedule and performance.
- b. The provision of vendor-neutral operational and technical requirements, structures, and architectures that are defined in sufficient detail so that implementation programs can be established and planning, programming, budgeting, and execution submissions can be defended.
- c. Effective project management support to the development of sustainable JIDO materiel and non-materiel capabilities that will defeat the improvised threats.

The approach to defeating improvised threats incorporates intelligence, information, training, operations, materiel, technology, policy, and resourcing solutions designed along three approaches: 1) attack the improvised threat networks, 2) defeat improvised threat devices, and 3) train deploying and deployed forces to operate in an improvised threat environment. JIDO is tasked with providing unique program support for emerging military systems concept development, requirements documentation, problem identification, classified material handling and innovative and responsive solutions.

The contractor shall provide for critical support services to J8. The contractor shall provide Technology Assessment, Integration, and deployed and non-deployed Operations and Systems Analysis Support. J8 provides support and execution of JIDO's mission responsibilities to rapidly deliver counter and defeat improvised threat capabilities to deployed forces.

**C.4.7.1 SUBTASK 7.1 – PROVIDE TECHNOLOGY INTEGRATION SUPPORT**

The contractor shall support multiple, complex acquisition programs from inception to deployment, or as it relates to a major functional area.

The contractor shall perform the following activities in support of this subtask:

- a. Conduct analysis of alternatives and develop recommendations for courses of action.
- b. Support development and execution of program plans, program standards and schedules.
- c. Support the establishment of objectives and requirements.
- d. Adapt and apply applicable technical, administrative, financial and business processes and procedures.
- e. Support the development of budgets.
- f. Track utilization of funding contributions from other agencies.
- g. Participate in and lead working groups.
- h. Coordinate and review work of assigned staff.
- i. Review preparation of all program related documentation.
- j. Conduct technical and administrative reviews, technical interchange meetings, etc.
- k. Prepare, coordinate, and present executive and working level briefing materials for organizational, DoD or Congressional leadership and stakeholders.
- l. Work independently under general guidelines or objectives and directly participate and coordinate with the highest internal echelons and authority on all aspects pertinent to the successful implementation of the program or functional area.
- m. Conduct the full range of program management functions.

**C.4.7.2 SUBTASK 7.2 - DIRECTED ENERGY/DEVICE NEUTRALIZATION SUPPORT**

The contractor shall provide subject matter expertise in all technical matters regarding the counter and defeat improvised threat applications of directed energy and device neutralization technologies. These applications include traditional and state of the art methods for emitting electromagnetic (EM) radiation in all regions of the EM spectrum, energy absorption and emission modeling and simulation, the use and development of electronic warfare systems, and size, weight and power analyses and optimizations.

**C.4.7.3 SUBTASK 7.3 - EXPLOSIVE DETECTION/REMOTE SENSING SUPPORT**

The contractor shall provide subject matter expertise in all technical matters regarding the counter and defeat improvised threat applications of systems utilized for the point, stand-off, and remote detection of explosives, explosive devices, electronic emissions from explosive devices and chemicals associated with their manufacture (i.e., homemade explosives and their precursors). Expertise should include knowledge of detection system application toward the various counter and defeat improvised threat subsets within JIDO's mission space, including ground-based detection, air-based detection, and threat network detection, imaging and video analysis.

#### **C.4.7.4 SUBTASK 7.4 - TECHNOLOGY ASSESSMENT AND INTEGRATION SUPPORT**

The contractor shall coordinate with the J2 and J3 to focus proposed and existing counter and defeat improvised threat technologies for deployment in Theater and S&T efforts. This includes input in defining requirements for counter and defeat improvised threat capability gaps to draft and submit JUONS, coordination and integration of JIDO sponsored activities OCONUS, and the operational assessment of those technologies. The contractor shall support Government responses to technical RFIs, produce intelligence products on key findings of exploitation efforts, and coordinate focused analyses for technical questions regarding improvised threats.

#### **C.4.7.5 SUBTASK 7.5 – BIOMETRICS AND FORENSICS SUPPORT**

The contractor shall provide expertise in all matters regarding the applications of forensics processes and forensic DNA analysis methodologies for the exploitation of the improvised threats. The contractor will assist in planning, coordinating, and directing forensic science activities and maintain an awareness of current scientific developments within the national and international forensic science and technical communities. This includes identifying top scientists in the forensics and DNA community. Other duties include researching and providing professional analysis of systems currently fielded or in development within the forensics and biometrics communities.

#### **C.4.7.6 SUBTASK 7.6 – SCIENTIFIC AND ENGINEERING SUPPORT**

Due to the constant evolution of required technology capabilities, the required technical expertise will include the following categories: geophysics, remote sensing, data analytics, signal processing, electronic warfare, physical chemists, forensics, biometrics, nuclear physics, signatures, and quantum mechanics. Timely access to subject matter experts in specific technical disciplines is required. This access may be immediate due to the urgent nature of warfighter needs.

The contractor shall perform the following activities in support of this subtask:

- a. Keep abreast of advanced technology, concepts, and trends to discover initiative solution candidates for use by JIDO and keep the J8 team informed on solutions within their field of expertise.
- b. Present organized analytical assessments to the J8 program integrators and J8 leadership that identify potential initiatives for JIDO to consider. The initiatives may improve current JIDO efforts, take advantage of technological opportunities, improve the understanding and/or evaluation of complex issues, or improve policy development, decision-making, management, or administration for the J8's contribution to the JIDO mission.
- c. Provide technical advice, feasibility analysis and products necessary for the implementation of approved initiatives, including conclusions and/or recommendations that are supported by data and operational relevancy.

**Deliverables see Section F.3, Deliverables 10 and 17.**

**C.4.7.7 SUBTASK 7.7 – SENSITIVE INTEGRATION SUPPORT SERVICES**

The JIDO Sensitive Integration Office (SIO) is the lead for DoD C-IED and related Counter-terrorism (CT) sensitive activities. SIO identifies, develops, enables, and integrates technical or planning solutions in support or in anticipation of sensitive operational requirements. The contractor shall assist JIDO SIO perform critical functions related to the development, integration, and sustainment of JIDO funded Special Access Programs (SAPs), Alternative or Compensatory Control Measure (ACCM) programs, Special Technical Operations (STO) and sensitive Information Operations (IO) initiatives in support of CCMDs, Joint Task Forces, DoD elements, and other non-DoD Government agencies. Specifically, the contractor shall:

- a. Shepherd external customers through the JIDO rapid acquisition and fielding process.
- b. Prepare draft resource documents and assist the Government in tracking coordination status through JIDO.
- c. Develop decision briefs on proposed initiatives for Government presentation to JIDO leadership
- d. Assist in the development of project plans.
- e. Participate in briefings, program reviews and conferences.
- f. Provide support for operational oversight of sensitive JIDO funded initiatives.
- g. Monitor and report JIDO SIO-related program activity execution to identify issues (i.e. cost, schedule, performance, and human resources; test planning and execution; and performance measurement).
- h. Assist in the preparation of written documents (i.e. memos, information papers, budget documents, significant activities, etc.) and briefing materials for JIDO, DoD, or Congressional leadership.

**C.4.8 TASK 8 - PROVIDE TECHNOLOGY-BASED RESEARCH AND ASSISTANCE**

The contractor shall achieve the desired outcomes of this task.

**Desired Outcomes:**

- a. JIDO is made continuously aware of evolving and exploited technologies and their value to the mission and promising technologies are quickly captured and leveraged to benefit the deployed warfighters and reach back support teams in order to destroy the enemy networks that employ improvised threats.
- b. The provision of vendor-neutral operational and technical requirements, structures, and architectures that are defined in sufficient detail so that implementation programs can be established and planning, programming, budgeting, and execution submissions can be defended.
- c. The provision of sustainable JIDO materiel and non-materiel capabilities that will defeat the human enemy networks used to deploy improvised threats.

The contractor shall provide technical engineering analysis and applied technology support, enterprise and strategic engineering support, program acquisition support, technical deliverable review support, and architectural design and requirements/alternatives/risk analysis support for the J6.

The J6 is the IT engineering arm of the JIDO. It performs system engineering and architecture development; develops and maintains software applications and web-based portals; discovers, evaluates, and integrates new technologies; performs information assurance to defend and protect vital JIDO IT infrastructure; builds and maintains analytical tools and modeling and simulation capabilities; performs system integration and testing; provides tool training; and, performs command and control network architectural design and engineering. The purpose of this task is to provide JIDO with technical engineering analysis and applied technology support, enterprise and strategic engineering support, and architectural design and requirements/alternatives/risk analysis support for J6.

The contractor shall provide Technical Reports (**Section F.3, Deliverable 10**) documenting the technical results from this task.

#### **C.4.8.1 SUBTASK 8.1 - PROVIDE INNOVATIVE TECHNOLOGY RESEARCH**

##### **Provide Independent Technology Research Support**

The contractor shall research and investigate current and evolving technological trends and provide technical reports and recommendations and guidance to advance the JIDO mission. Specifically, the contractor shall:

- a. Monitor the proceedings of the JIDO System Engineering Review Board (SERB), the J2/J6 Synch Meetings, and other JIDO activities and lessons learned to identify emerging needs for innovative net-centric solutions, and report and monitor all follow-on actions.
- b. Keep abreast of advanced technology, concepts, and trends to discover candidates for use by JIDO and synchronize all activities with JIDO technical outreach efforts.
- c. Provide research, technical advice and analytical reports, conduct appropriate modeling and simulation efforts, planning, studies, cost and feasibility analyses, decision support and quick response support. The support products and services provided by the contractor shall permit JIDO to leverage their expertise to optimize decision support for planning, budgeting and programming issues as well as timely and meaningful inputs to JIDO and national policy issues.
- d. Conduct continuous market research (both industry and Government sources) as part of the technology discovery process.
- e. Present organized analytical assessments to the SERB that identify potential initiatives for JIDO to consider. The initiatives may improve information management processes, take advantage of technological opportunities, improve the understanding and/or evaluation of complex issues, or improve policy development, decision-making, management, or administration for the J6's contribution to the JIDO mission.
- f. Provide technical advice, feasibility analysis and products necessary for the implementation of approved initiatives, including conclusions and/or recommendations that are supported by data and operational support in strategic and performance planning, including operations and training analysis.
- g. Research and report the impact of emerging guidance and defense strategic planning on JIDO roles and missions.
- h. Conduct force structure and modernization planning technical analysis.
- i. Develop, review, and comment on inputs to modernization planning and schedules.

- j. Provide subject matter expertise for establishing short and long-range strategic plans, applying DoD and Component acquisition regulations and statutes and applying best business practice management principles and techniques.

**Provide New Initiatives Support**

The contractor shall identify, design, prototype, and support new initiatives that support the forward DoD operating elements in the following areas: improved communications and data exchange capabilities; improved storage capabilities; improved enterprise architectures; enhanced access controls; improved cross domain (Non-secure Internet Protocol Router Network (NIPRNet), SIPRNET and Joint Worldwide Intelligence Communications Systems (JWICS)) data exchanges; and the addition of new data sources. As part of the new initiative effort the contractor shall perform system engineering and cost benefit analysis for each new capability.

**Provide New Technology Discovery, Evaluation, and Insertion Support**

The contractor shall evaluate new technologies and applications within and outside of the intelligence community for applicability to counter-improvised threat analysis, processing, dissemination and collaboration. This effort may include performing market surveys, evaluating open source literature, attending trade-shows and symposiums, and evaluating vendor products. The contractor shall provide Findings and Recommendations in New Technology Reports (NTR) (Section F.3, Deliverable 23).

The contractor shall evaluate new technologies against System Requirements that identify mission gaps and mission needs, architecture enhancements, software tools shortfalls and the “cost” of inserting the technology into the operational JIDO baseline. Evaluation factors will include the degree of software engineering required, the estimated level of effort to develop interfaces, adapters, and wrappers, and architecture changes required to support the new technology. The contractor shall use the results of the evaluation to update the JIDO IT Roadmap (Section F.3, Deliverable 24).

**C.4.8.2 SUBTASK 8.2 - PROVIDE STRATEGIC RESEARCH AND TECHNICAL ASSISTANCE**

**Provide Enterprise Architecture Support**

The contractor shall bridge the gap between evolving technology and practical implementation. Specifically, the contractor shall:

- a. Apply information and knowledge engineering disciplines to develop and maintain a JIDO enterprise architecture (EA), using the DoD Architecture Framework (DoDAF) for Operational and System Architecture Design and Development.
- b. Assist with defining vendor-neutral operational and technical requirements, structures, and architectures and crafting the plans for implementation.
- c. Validate compliance of systems architectures and functional baselines with the EA.
- d. Validate that capabilities developed by JIDO will be able to provide and accept data, information, materiel, and services to and from other systems, units, and forces and that they will effectively interoperate with other U.S. Forces and coalition partners.
- e. Validate compliance with specified DoD interoperability standards.
- f. Review all Material Action Requests (MAR) to ensure that proposed materiel solutions will conform to the EA, will employ COTS items or Non-Development Items (NDI) to

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the maximum extent, and include an assessment of cost effective alternatives. Where COTS or NDI solutions are not available, proven and mature technology may be acceptable.

- g. Provide technical expertise to assist in collecting, organizing, searching, and selecting appropriate data for the development and preparation of planning, programming, and budgeting documents for innovative net-centric solutions.
- h. Prepare detailed innovation plans, funding estimates and schedules to support JIDO fiscal planning and programming activities.
- i. Support evaluation and planning for current and future operations including strategic planning activities.
- j. Analyze near and long term plans pertaining to modernization, force structure composition and disposition, doctrine, policy, and programming activities.
- k. Participate in symposia, conferences, and meetings sponsored by JIDO.

All documentation produced as a result of these activities shall be submitted to the designated JIDO TPOC for review and approval.

### **Provide System Architecture Engineering - Architecture & Standards Support**

The contractor shall participate in DoD architecture and standards working groups and provide summaries of issues requiring JIDO attention or decisions. The contractor shall conform to DoD standards and architecture requirements to the design of all networks, hardware, software and information system processes. DoD Information Assurance standards, DoD 8500.2 shall apply.

The contractor shall maintain the system Interfaces documentation and documentation for the overall JIDO architecture to document the JIDO baseline. The contractor shall provide updated JIDO architecture reports (**Section F.3, Deliverable 10**) that describe major technology insertion changes including the interface design description of systems, hardware configuration items, computer software items, or other systems components.

The contractor shall conduct a System Design Review (SDR) that reflects each system or major technology insertion to the JIDO baseline. This review is conducted to evaluate the optimization, correlation, completeness, performance metrics, and risks associated with the allocated technical requirements. This review shall be conducted when the system definition effort has proceeded to the point where system characteristics are defined and the configuration items are identified. The contractor shall document the outcome of the SDR in a System Design Document (SDD) or equivalent report and submit such document for review and approval of the designated Government point of contact. (**Section F.3, Deliverable 25**).

### **Provide Software Requirements Support**

The contractor shall provide systems engineering/enterprise engineering, personnel and processes that identify user's needs, requirements and constraints and then translates the user requirements into new initiatives that meet DoD architecture standards. The contractor shall perform configuration management, data management, and provide quality assurance/product assurance for the JIDO Program.

### **Provide Operational Problem Definition/ User Engagement Support**



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The contractor shall engage with DoD users to identify the users' problems and needs for information sharing and advanced collaboration for JIDO. The contractor shall analyze the users' needs, requirements, and constraints. The contractor shall address interfaces, software accreditation, enterprise management, and data standards in support of the DoD user.

The contractor shall identify the system requirements for the counter improvised threat mission based on mission gaps and mission needs, architecture enhancements, new software tools and new technology. The contractor shall capture these requirements in a System Requirements Document (SRD) or equivalent (**Section F.3, Deliverable 26**). The SRD shall specify the requirements and the methods to be used to ensure that each requirement has been met. Performance metrics shall be defined for each requirement. The defined metrics shall be documented in a Measures of Effectiveness (MOEs) section as part of the SRD document.

The contractor shall conduct periodic System Requirements Reviews (SRRs) for each new system or major technology insertion. The SRR shall include an analysis of system requirements. The objective of the SRR is to ascertain the adequacy of the contractor's efforts in recommending system requirements.

### **C.4.9 TASK 9 – SUPPORT FOR EARLY TRANSITION-IN (OPTIONAL)**

In the event that current legacy contracts supporting Tasks 3, 6, 7, and 8 are required to migrate earlier than planned, the contractor may be required to transition these tasks earlier than the dates indicated in **Section C.4.2.1** – Table 1. Therefore, in support of this task the contractor shall provide support for Tasks 3, 6, 7, and 8 starting as early as the Project Start date, but up until the dates indicated for IOC and FOC in **Section C.4.2.1**.

When the need for the contractor to transition one of these tasks early is identified, the Government will exercise this optional CLIN.

### **C.4.10 TASK 10 – ADDITIONAL AS-NEEDED SUPPORT (OPTIONAL)**

Unpredictable world events demand that JIDO have the capability to provide deployed and additional as-needed support in CONUS, OCONUS, and hazardous duty/combat zones anywhere in the world. The contractor shall provide specialized support as described in Tasks 1 through 8 in any location in the world, including hazardous duty/combat zones. Additional support requirements are variable in length and level of effort in support of JIDO initiatives, decisive efforts, and new mission requirements. Decisive efforts are defined as situations where US Forces are deployed in support of a contingency operation that is contested by threat networks and their use of improvised weapons. Support may be project-based or result in long-term increase in base level of effort. Support may require either short-term (e.g. up to one month) or longer-term (e.g. one or more months) deployments. Support requirements and deliverables for the additional support are described in Tasks 1 through 8 and are within the scope of this TO but require additional personnel to meet the requirement.

When the need for additional support is identified, the Government will exercise this optional support CLIN. Specific additional requirements shall be integrated into the WBS.